

BOCHINSKIY, Nikanor Faustovich; ALEKSEYEV, P.V., inzh., nauchnyy red.;
PONOMAREV, P.Z., red. izd-va; BOROVNEV, N.K., tekhn. red.

[Safety engineering manual for assemblers working on high structures]
Pamiatka po tekhnike bezopasnosti dlia montazhnikov-verkholazov. Mo-
skva, Gos. izd-vo lit-ry po stroit., arkhit. i stroit. materialam,
1961. 40 p. (MIRA 14:7)
(Building—Safety measures)

BOCHINSKIY, Nikanor Faustovich

[Safety manual for the assembly of steel structures]
Pamiatka po tekhnike bezopasnosti pri izgotovlenii stal'-
nykh konstruktsii. Moskva, Stroiizdat, 1964. 14 p.
(MIRA 17:9)

BOCHIS, I.; CRETOIU, Gh., candidat in stiinte economice; GHEORGHIU, St.

Development of building in the Six-Year Plan. Probleme econ 14 no.12:
37-51 D '61.

(Rumania--Building)

BOCHIS, I.

A synthetic work on the development of the technical and material basis of socialism. Probleme econ 17 no.2:127-132 F '64.

FEDOROV, Yu.M., inzh.; BOCHISHCHE, V.G., tekhnik

Volumetric planning in the State Institute for the Design
and Planning of Mine Construction in the Coal Industry.
Shakht. stroi. 6 no.6:14-16 Je '62. (MIRA 15:6)

1. Gosudarstvennyy institut po proyektirovaniyu shakhtnogo
stroitel'stva kamennougol'noy promyshlennosti.
(Coal preparation plants)

BOCHIVAR, D. A.

Nekotoryye logiche teoremy o normal'nykh mnozhestvakh i predikatakh.
Matem. sb., 16 (58), (1945), 345-352.

SO: Mathematics in the USSR, 1917-1947
edited by Kurosh, A.G.,
Markushevich, A.I.,
Rashevskiy, P.K.
Moscow-Leningrad, 1948

L 7800-66 EWP(e)/EPA(s)-2/EWT(m)/EWP(i)/EPA(w)-2/EWP(t)/EWP(k)/EWP(b)
ACC NR: AP5024988 JD/WH SOURCE CODE: UR/0286/65/000/016/0050/0051

AUTHOR: Buchkarev, B. A.

ORG: none

TITLE: Method for fabricating high resistance film resistors. Class 21, No. 173828 [announced by State Committee of Electronic Technology SSSR] (Gosudarstvennyy komitet elektronnoy tekhniki SSSR)

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 16, 1965, 50-51

TOPIC TAGS: resistor, vacuum sublimation, metal film

ABSTRACT: This Author Certificate presents a method for fabricating high resistance film resistors, based on the vacuum sublimation of a high resistance alloy and a dielectric. To simplify the automation of the resistor fabrication process, the high resistance wire in glass insulation is subjected to sublimation. The wire is interwoven into a tungsten wire plait which serves as the heater.

SUB CODE: EQ, IE / SUBM DATE: 21Feb64

Card 1/1

UDC: 621.316.849:002.2

BOCHKAREV, G.P.; ZARIPOV, S.Z.

Effect of the dynamic filtration of drilling fluids on wall
cave-ins in deep wells. Burenis no.10:22-24 '64.

(MIRA 18:6)

1. Ufimskiy nef'tyanoy nauchno-issledovatel'skiy institut.

SKOPIN, S.G.; BOCHKAREV, G.R.

Investigating the problem concerning the balance of mine filling materials at the Frokop'evskugol' Trust. Vop. gor. davl. no.17: 39-42 '63. (MIRA 18:9)

1. Institut gornogo dela Sibirskogo otdeleniya AN SSSR.

BOCKANS, P.

All-Union Conference on the Analysis of Precious Metals. Izv.AN
Latv.SSR no.12:120-123 '63. (MIRA 17:3)

L 36860-66 ENP(j)/EWT(m) RM

ACC NR: AP6019489

SOURCE CODE: UR/0197/66/000/005/0055/0059

AUTHOR: Bochkan, P. Ya.; Porin', V. M.; Feltyn', I. A.

50
B

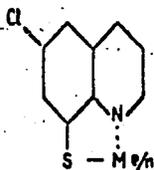
ORG: Power Institute, AN Latv. SSR (Institut energetiki AN Latv. SSR)

TITLE: Prevention of thermal conversion of germanium by means of 6-chloro-8-mercaptoquinoline

SOURCE: AN LatSSR. Izvestiya, no. 5, 1966, 55-59

TOPIC TAGS: germanium, semiconductor conductivity, complex molecule

ABSTRACT: The possibility of cleaning the surface of germanium with the reagent 6-chloro-8-mercaptoquinoline in order to prevent the thermal conversion (change from n-type to p-type conductivity) of this semiconductor was investigated. A simplified method of synthesizing 6-chloro-8-mercaptoquinoline is described. The compositions of compounds of this reagent with Cu, Sn, Sb, Bi, Tl, In, Ga, Ni, Zn, Pb, Cd, Co, and Hg are given and the pH values at which they are formed and their colors are tabulated. The reagent reacts with the metal ions by forming the following complex:]



Card 1/2

L 36860-66

ACC NR: AP6019489

where n is the valence of the metal. The reagent was found to be highly effective in preventing thermal conversion on n-type germanium. Orig. art. has: 1 table. 0

SUB CODE: 07,20/ SUBM DATE: 01Dec65/ ORIG REF: 003/ OTH REF: 004

me
Card 2/2

BANKOVSKIY, Yu.A.; IYEVIN'SH, A.F. [Ievinš, A.]; LUKSHA, E.A., [Lukša, E.];
BOCHKANS, P. Ya.

Analytical application of 8-quinolinethiol (thioquinolinol) and its derivatives. Report 17: 8,8' Diquinolyldisulfide, a new selective reagent for the photometric determination of small amounts of copper. Zhur.anal.khim. 16 no.2:150-157 Mr-Apr '61. (MIRA 14:5)

1. Institute of Chemistry, Academy of Sciences Latvian S. S. R., Riga.
(Copper—Analysis)
(Quinolinethiol)

BOCHKAREV, A.

PA 30T10

Page/Communications Jul 1947
"Poplance of a Region are Culturally Barred by Com-
munications Means," A. Bochkarev, Rostov, Yaroslavskiy
Oblast, 1 p
"vestnik Svyazi - Pochta" No 7 (88)
The Rostov Regional Office is foremost in the ranks of
fulfilling established norms. It is also one of the
best equipped communications centers. Gives a good
description of the general communications picture
which is served by the Rostov Regional Office.
IC 30T10

LEONOV, D., inzh. (Moskva); SLITKOV, Ye., inzh. (Moskva); BOCHKAREV, A.,
slesar' (g. Yelabuga, Tatarskaya ASSR); ROMANOV, S., inzh.;
UGOL'NIKOV, A.; YANITSKIY, G., uchitel' (Moskva); TASLITSKIY, M.;
SADOVNIKOV, I. (g. Obninsk, Kaluzhskaya oblast')

Suggested, created, introduced. Izobr.i rats. no.1:14-15 '63.
(MIRA 16:3)

1. Institut "Orgtekhstroy", g. Odessa (for Romanov). 2. Moskovskiy
pochtamt i chlen soveta Vsesoyuznogo obshchestva izobretateley i
ratsionalizatorov (for Ugol'nikov). 3. Sotrudnik Gosudarstvennogo
instituta po vnedreniyu peredovykh metodov rabot i truda v
stroitel'stve Ministerstva stroitel'stva RSFSR, Moskva (for
Taslitskiy).

(Technological innovations)

BOCHKAREV, A., inzh.

Vibration centrifuge for cleaning grass seeds. Muk.-elev. prom.
25 no.11:31-32 N '59. (MIRA 13:3)

1. Saratovskiy institut mekhanizatsii sel'skogo khozyaystva im.
M. I. Kalinina.
(Seeds--Cleaning) (Grasses)

BOCHKAREV, A.D.

BOCHKAREV, A.D.

Review the fuel consumption norms. Put' i put. khox. no.10:37 O '57.
(MLRA 10:11)

1. Starshiy dorozhnyy master, stantsiya Belinikhino.
(Railroads—Equipment and supplies)

~~BOCHKAREN, A.D.~~, starshiy dorozhlyy master (stantsiya Belinikhimo Yuzhnoy dorogi).

We adjust the joints in advance. Put' i put. khoz. no. 8:17
Ag '58. (MIRA 11:8)

(Railroads--Switches)

BOCHAYEV, A. F.

Longitudinal stability of an airplane during the starting run.
Izv.vys, ucheb. zab.: av. tekhn. 4 no 4: 3-11

1. Kuybyshevskiy aviatsionnyy institut, Kafedra aerogidrodinamiki.

(Airplanes -- Take off)

(Stability of airplanes)

S/124/62/000/010/012/015
D234/D303

AUTHORS: Kudryashev, L. I., Bochkarev, A. F. and Turapin, V.M.

TITLE: Application of the theory of thermal regularity to the experimental determination of heat loss coefficient of bodies placed in an external flow

PERIODICAL: Referativnyy zhurnal, Mekhanika, no. 10, 1962, 97, abstract 10B604 (Tr. Kuybyshevsk. aviats. in-t, 1961, no. 12, 77-81)

TEXT: On the basis of the results of numerical calculations which are not given in the paper, the authors conclude that a differential equation of parabolic type (both linear and nonlinear) has the property of thermal regularity irrespective of the particular problem given. They give no due justification for such a conclusion in the paper. Experimental methods of determining the heat loss coefficient of a body in a stream, based on the above conclusion, are considered. [Abstracter's note: Complete translation.] ✓

Card 1/1

S/147/61/000/004/001/021
E031/E184

AUTHOR: Bochkarev, A.F.

TITLE: The longitudinal stability of an aircraft on the take-off run

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Aviatsionnaya tekhnika, no.4, 1961, 3-11

TEXT: The longitudinal stability of the transient non-disturbed motion of an airplane in the take-off run is analyzed and conditions assuring the stability of this motion for a finite time period are determined. The unsteady straight motion of an airplane on its main landing wheels on a non-yielding homogeneous horizontal surface, with non-compressed tyres and shock-absorber units, is taken as the initial non-disturbed motion. The equations of the first approximation are derived by applying the method of small disturbances to the disturbed equations referred to a coordinate system in which the axes are parallel to the velocities. A simple method of constructing the Lyapunov function is described and applied to the non-dimensional form of the equations. The analysis embraces aircraft having
Card 1/2

The longitudinal stability of

S/147/61/000/004/001/021
E031/E184

nose-wheel and tail-wheel landing gear. The stability conditions of an unsteady non-disturbed motion of any material system for a finite time period are analyzed, and the formulae for the longitudinal stability conditions of an airplane during the take-off run are presented.

ASSOCIATION: Kafedra aerogidrodinamiki, Kuybyshevskiy aviatsionnyy institut (Department of Aerohydrodynamics, Kuybyshev Aviation Institute)

SUBMITTED: April 3, 1961

Card 2/2

S/124/62/000/010/012/015
D234/D308

AUTHORS: Kudryashev, L. I., Bochkarev, A. F. and Turapin, V.M.

TITLE: Application of the theory of thermal regularity to the experimental determination of heat loss coefficient of bodies placed in an external flow

PERIODICAL: Referativnyy zhurnal, Mekhanika, no. 10, 1962, 97, abstract 10B604 (Tr. Kuybyshevsk. aviats. in-t, 1961, no. 12, 77-81)

TEXT: On the basis of the results of numerical calculations which are not given in the paper, the authors conclude that a differential equation of parabolic type (both linear and nonlinear) has the property of thermal regularity irrespective of the particular problem given. They give no due justification for such a conclusion in the paper. Experimental methods of determining the heat loss coefficient of a body in a stream, based on the above conclusion, are considered. [Abstracter's note: Complete translation.] ✓

Card 1/1

BOCHKAREV, A.I., Sand tech Sci -- (diss) "Vibrational
centrifugation of granular ~~alloys~~ ^{MIXTURES}." Saratov, 1958,
17 pp with ~~sketches~~ ^{drawings} (Min of Agr USSR. Saratov
Agr Inst) 150 copies (KL, 50-58, 123)

BOCHKAREV, A.I., inzh.

Using vibration-centrifugation techniques in cleaning grain.
Mekh. i elek. sets. sel'khoz. 17 no.1:9-13 '59. (MIRA 12:1)

1. Saratovskiy institut mekhanizatsii sel'skogo khozyaystva imeni
M.I. Kalinina.

(Grain--Cleaning) (Centrifugation)

KOLOTLIN, N.F.; BOCHKAREV, A.S.

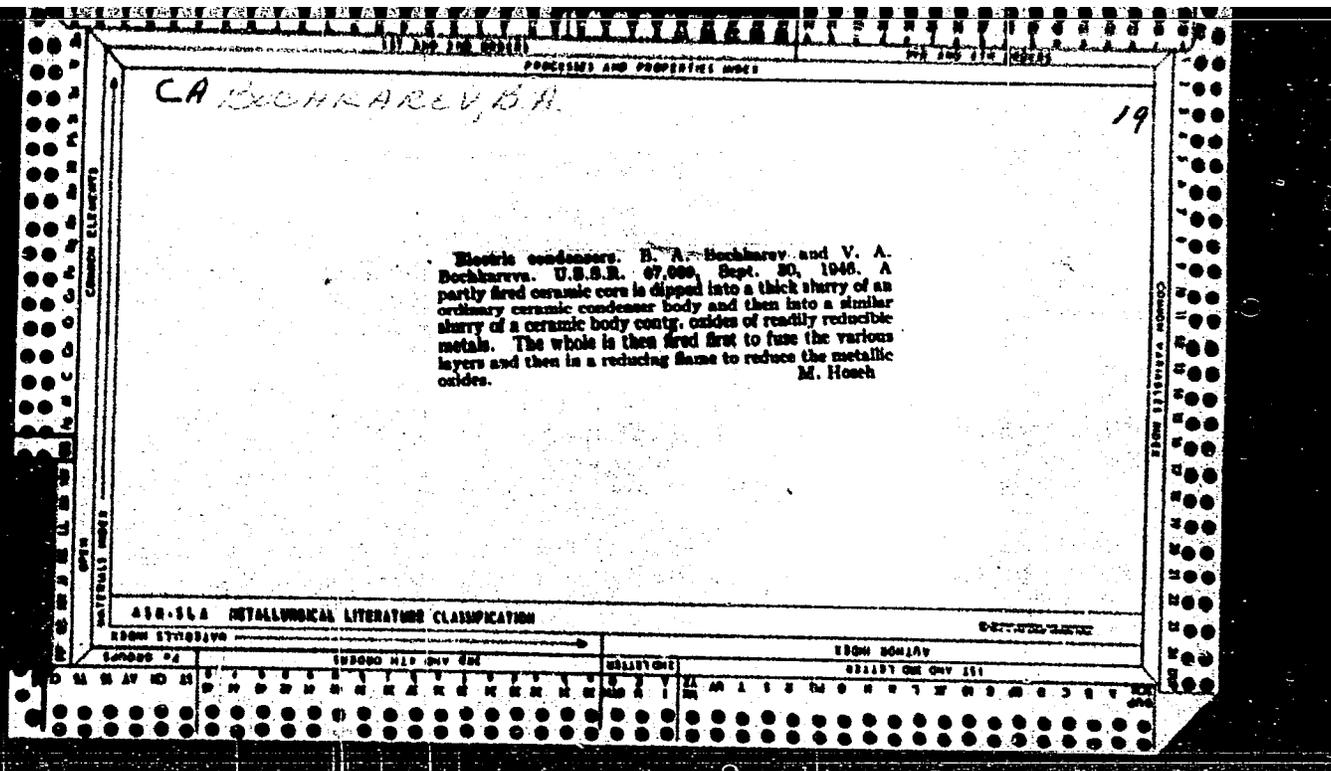
Regional typification of mudflow basins in southeastern Kazakhstan.
Izv. AN Kazakh. SSR. Ser. geol. nauk no. 1:82-89 '63. (MIRA 16:8)

1. Institut geologicheskikh nauk AN KazSSR, Alma-Ata.
(Kazakhstan--Runoff)

BOCHKAREV, B., inzh.

Mechanized harvesting of hay in steppe regions. Tekh. v sel'-
khoz. 20 no.7:13-17 JI '60. (MIRA 13:9)

1. Vserossiyskiy nauchno-issledovatel'skiy institut mekhanizatsii
i elektrifikatsii sel'skogo khozyaystva.
(Hay--Harvesting)



BOCHKAREV, B.A., inzhener (Leningrad)

Constant nonwire-wound resistors. Elektrichestvo no. 8:60-64 Ag
'56. (Electric resistors) (MLRA 9:10)

L 58989-65 EWT(a)/EWP(1)/EWP(2)/EWP(b) JD

ACCESSION NR: AP5019096

UR/0286/65/000/012/0114/0114
621.793.14

AUTHOR: Bochkarev, B. A.

11
B

TITLE: Unit for thermal sublimation of metals and alloys in vacuum. Class 48,
No. 172169

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 12, 1965, 114

TOPIC TAGS: vacuum metal evaporation, vacuum alloy evaporation, metal evaporation
unit, alloy evaporation unit

ABSTRACT: This Author Certificate introduces a unit for vacuum evaporation of
metals and alloys. The metals or alloys to be evaporated are deposited on elec-
trically heated, refractory-metal wires. For continuous or periodic operation, the
unit is provided with spools of coated wires, a mechanism for moving the wires
through the heating zone, and a receiving spool for consumed wire. [WW]

ASSOCIATION: none

SUBMITTED: 23Dec63

ENCL: 00

SUB CODE: MM, ME

NO REF SOV: 000

OTHER: 000

ATD PRESS: 4050

Card 1/1 *dm*

DECLASSIFIED

BOCHKAREV, Boris Ivanovich

1964

1963

Agricultural Machinery

BAKAYEV, M.T.; BOCHKAREV, B.N.

Efficient exploitation of Leninogorsk and Zyryanovsk complex
metal deposits. Razved. i okh. nedr 27 no.5:33-36 My '61.
(MIRA 14:9)

1. Gosgortekhnadzor Kazakhskoy SSR.
(Kazakhstan--Mining engineering)

BOCHKAREV, D.

Capital

An important factor in improving the use of capital. Fin. i kred. SSSR No. 1, 1953.

9. Monthly List of Russian Accessions, Library of Congress, June 1953, Uncl.

BOCHKAREV, D.

Excess staff. Fin.SSSR 21 no.5:50-54 My '60. (MIRA 13:7)

1. Zamestitel' nachal'nika Tsentral'nogo statisticheskogo
upravleniya pri Sovete Ministrov Kirgizskoy SSR.
(Kirghizistan--Industrial management)

BOCHKARIN, G. (g.Barnaul)

"Krokodil" visits the shops. Okhr.truda i sots.strakh. 3
no.2:31 F '60. (MIRA 13:6)

1. Predsedatel' komissii okhrany truda Altayskogo motornogo
zavoda.

(Barnaul--Industrial hygiene)

BOCHKAREV, G.

Bees

Let's use the mountain-taiga bee
Pchelovodstvo 29,no. 1,1952

BOCHKAREV, G. (g. Angren, Uzbekskaya SSR)

Edifying example. Sov.shakht. 10 no.10:27 0 '61.
(MIRA 14:12)

(Angren Basin--Coal mines and mining)

BOCHKAREV, G.

Miscovites in the effort to increase labor productivity. Sots.
trud 7 no.7:3-10 J1 '62. (MIRA 15:8)
(Moscow--Efficiency, Industrial)

EPSHTEYN, Ye.I., inzh.; SMORODINOV, A.N., inzh.; BOCHAROV, D.I., inzh.;
BOGHKAREV, G.N., inzh.; Primali uchastiye: MURAV'YEV, I.T.;
MASLOV, V.I.; LOBANOV, I.I.; IVANOV, A.P.; IVANOV, L.I.

Start of converter substations with mercury-arc rectifiers without
sorting and forming of the rectifiers. Prom. energ. 18 no.9:32-35
S '63. (MIRA 16:10)

PROTASOV, V.F., kand. ekonom. nauk; BOCHKAREV, G.N.

Improving the type of work organization and wages at the Noril'sk
Combine strip mines. Gor. zhur. no.6:16-18 Je '65. (MIRA 18:7)

BARYSHNIKOV, F.A.; BOCHKAREV, G.R.

Effect of certain hydrocyclone parameters on their operational indices
in thickening coal slurry. Ugol' 35 no.8:56-58 Ag '60. (MIRA 13:9)
(Coal preparation) (Separators (Machines))

BOCHKAREV, G. R.

Cand Tech Sci- (diss) "Study of the effect of several design and technological factors on the process of concentrating coal tailings in the hydrocyclone." Novosibirsk, 1961. 17 pp with diagrams; (Academy of Sciences USSR, Siberian Division, Joint Academic Council for Physics-Mathematics and Technical Sciences); 220 copies; price not given; (KL, 6-61sup, 214)

BOCHKAREV, G.R.; KUZNETSOV, P.M.

New method for the automatic control of the hydrocyclone in con-
densing coal slime. Koks i khim. no.7:11-14 J1 '61. (MIRA 14:9)

1. Institut gornogo dela Sibirskogo otdeleniya AN SSSR.
(Coal preparation plants---Equipment and supplies)
(Automatic control)

ZAYTSEV, L.M.; BOCHKAREV, G.S.

Synthesis of some oxalate compounds of zirconyl. Zhur.neorg.khim,
7 no.7:1552-1558 J1 1962. (MIRA 16 3)
(Zirconyl oxalate)

BOCHKAREV, G. S.

25879

Kochevaya budka dlya kolkhoznykh pasek. Pchelovodstvo, 1949, No. 8. s. 36-40.

SO: Letopis' No. 34

4
4E3d
4E4f

Zirconyloxalic acid and its preparation. L. M. Zolotarev,
I. K. Skubochkin, and G. S. Kochkura. *Zhur. Neorg.
Khim.* 2, 980-1(1957).—Zirconyloxalic acid (I) was prepd.
by mixing concd. alc. solns. of $H_2C_2O_4$ and $ZrOCl_2 \cdot H_2O$
according to the equation: $ZrOCl_2 + 2H_2C_2O_4 \rightarrow H_2[ZrO-$
 $(C_2O_4)_2] + 2HCl$. The best yield was obtained by using an
excess of 4-5 times the $H_2C_2O_4$ required stoichiometrically.
The stability of I is greater than that of oxalic acid.

J. Roytar Leach

na

BOCHKAREV, G. S.

ZAYTSEV, L.M.; BOCHKAREV, G.S.

Electric conductivity of salts in methyl alcohol. Zhur. neorg. khim.
2 no.8:1748-1752-Ag '57. (MIRA 11:3)
(Salts--Electric properties) (Methanol)

AUTHORS: Zaytsev, L. M., Bochkarev, G. S. SOV/78-3-10-7/35

TITLE: The Interaction of Zirconyl With Anthranilic Acid and Dimethyl Glyoxime (Vzaimodeystviye tsirkonila s antranilovoy kislotoy i dimetilglioksimom)

PERIODICAL: Zhurnal neorganicheskoy khimii, 1958, Vol 3, Nr 10, pp 2261-2271 (USSR)

ABSTRACT: The interaction of zirconyl chloride with anthranilic acid and dimethyl glyoxime was analyzed, and the formation of coordination was determined by means of synthesized products. Zirconyl chloride combined with anthranilic acid was displaced by methyl alcohol and other organic solvents, such as acetone and chloroform. The precipitate has the following composition:
$$H [ZrOCl_2 \cdot C_6H_4NH_2COO] \cdot 5 H_2O.$$

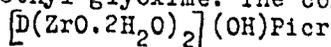
The complexes formed by this acid together with the organic bases pyridine, aniline, quinoline and β -naphthol quinoline, were analyzed. The determination of the electric conductivity of alcoholic solutions of these salts shows that the complex consists of two ions. The thermographic analyses carried out have shown that the thermal effect of water loss and the beginning of decomposition of these compounds appear at almost the same

Card 1/5

SOV/78-3-10-7/35

. The Interaction of Zirconyl With Anthranilic Acid and Dimethyl Glyoxime

temperature. The existence of zirconyl-dichloro anthranilic acid is possible in concentrated aqueous solutions. The acid is hydrolyzed when the solution is very much diluted. The interaction of zirconyl with dimethyl glyoxime was investigated. The synthesis was carried out in the alcoholic solution of zirconyl chloride and dimethyl glyoxime, the initial components having a ratio of from 1:1 to 1:20. A light-yellow precipitate is obtained from the alcoholic solution by addition of ether, for which the chemical analysis presents the following formula: $D(\text{ZrOCl})_2 \cdot 4-6 \text{H}_2\text{O}$ (D = dimethyl glyoxime). Thermographic analyses demonstrated the appearance of two effects: an endothermic effect at 100-120°C, and an exothermic effect at 260-280°C. The chemical and physico-chemical analyses confirmed the complex character of this compound. Zirconyl nitrate, zirconyl oxalate, zirconyl acetate or zirconyl sulfate may be used as initial components for the production of this complex. It was shown that zirconyl sulfate, zirconyl oxalate, zirconyl nitrate and zirconyl acetate do not react upon dimethyl glyoxime. The complex



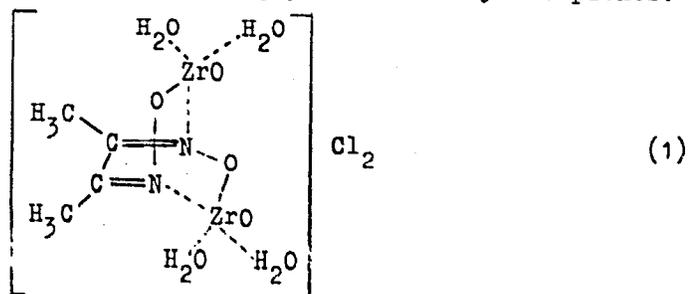
Card 2/3

is produced from a solution of hexamine-zirconyl nitrate with

SOV/78-3-10-7/35

The Interaction of Zirconyl With Anthranilic Acid and Dimethyl Glyoxime

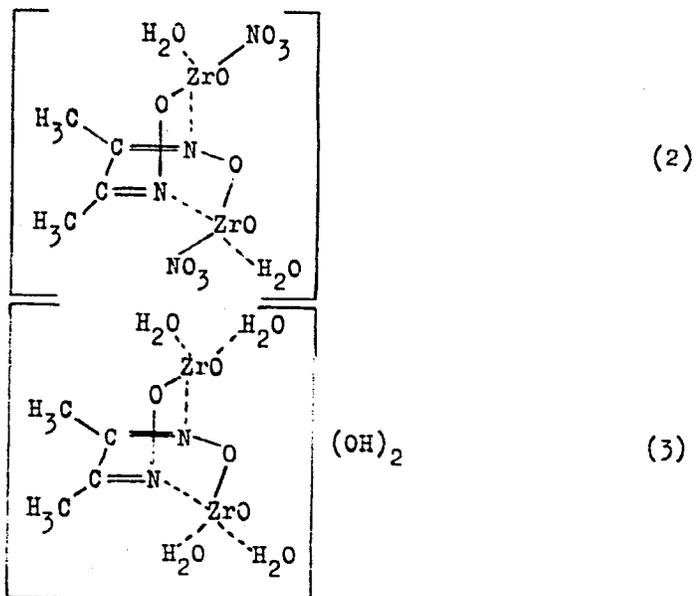
picric acid in the aqueous solution. This compound has a yellow-orange color and is insoluble in water and organic solvents. A greenish-yellow precipitate, containing dimethyl glyoxime, is produced by the action of ammonia on aqueous solutions of zirconyl-chloride-glyoxy-amino complex and zirconyl-nitrate-glyoxy-amino complex. The precipitate is a mixture of hydroxy-glyoxime-amino-zirconyl and zirconyl hydroxide. The following structural formulae were suggested on the basis of the chemical and physico-chemical properties of the glyoxime-zirconyl complexes:



Card 3/5

SOV/78-3-10-7/35

The Interaction of Zirconyl With Anthranilic Acid and Dimethyl Glyoxime



Card 4/5

SOV/78-3-10-7/35

The Interaction of Zirconyl With Anthranilic Acid and Dimethyl Glyoxime

There are 8 figures, 14 tables, and 12 references, 4 of which are Soviet.

SUBMITTED: May 5, 1958

Card 5/5

S/078/62/007/004/004/016
B101/B144

AUTHORS: Zaytsev, L. M., Bochkarev, G. S.

TITLE: Peculiarities of the behavior of zirconyl in solutions

PERIODICAL: Zhurnal neorganicheskoy khimii, v. 7, no. 4, 1962, 795-802

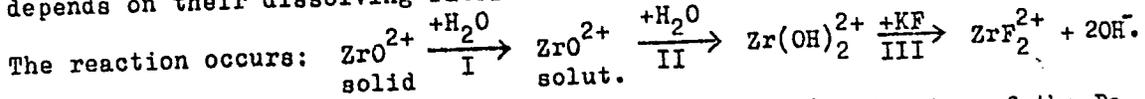
TEXT: The hydrolysis of zirconium compounds was studied for the purpose of determining the different behavior of zirconyl and zirconium-hydroxyl compounds. The OH groups were liberated by KF at pH 8-8.2 and titrated with 0.1 N HCl. It was found: (1) Titration of freshly precipitated $Zr(OH)_4$ in the presence of KF gave 4 g-equiv. OH^- /g-atom Zr. In aged zirconiumhydroxide only 2 g-equiv. OH^- per g-atom Zr were titratable within 5 min; the other OH^- groups could be titrated only after many hours stirring in water. Thus, aging takes place owing to dehydration of $Zr(OH)_4$ to $ZrO(OH)_2$ and finally to ZrO_2 . (2) Titration of zirconyl oxalate shows that the compound precipitated in methanolic solution does not contain OH groups. More than 1 g-equiv. OH^- /g-atom Zr was titrated in zirconyl oxalate precipitated from aqueous solution. (3) No OH groups were found in zirconyl peroxide, $ZrO_2 \cdot 2H_2O$, irrespective of its dry or wet

Card 1/4

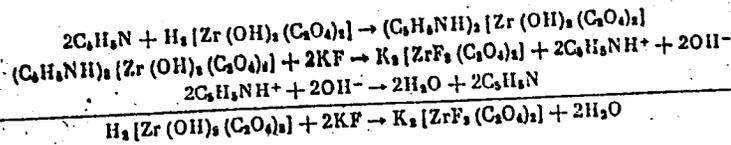
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 B101/B144

Peculiarities of the behavior ...

state. (4) Potassium zirconyl trifluoride has in wet state the composition $KZrF_3(OH)_2 \cdot H_2O$, after drying at $200^\circ C$ the composition $KZrOF_3$. It follows that: (a) the interaction of the zirconium compounds with F^- ions depends on their dissolving rates. Zr^{2+} does not react with F in dry state.



The reaction rate depends on the rate of stage I. (5) Titration of the Ba, Na, and NH_4 salts of the zirconyl oxalic acid gave $\sim 1.3-1.7$ g-equiv. OH^- /g-atom Zr. Titration of $ZrOCl_2$ also gave 1.4-1.7 g-equiv. OH^- /g-atom Zr. The solution of the pyridonium salt remains neutral because the OH^- are neutralized by $C_5H_5NH^+$:

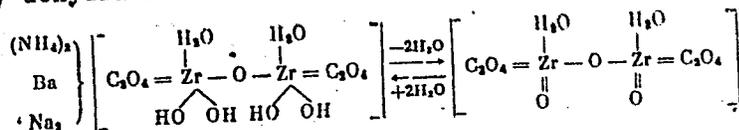


Card 2/4

S/078/62/007/004/004/016
 B101/B144

Peculiarities of the behavior ...

The incomplete titration of the OH groups in the presence of KF is explained by dehydration and formation of binuclear compounds:



Condensation intensity depends on temperature, pH, and Zr concentration. This explains the amounts of g-equiv. OH⁻/g-atom Zr varying between 1 and 2. The zirconium hydroxide precipitated with NH₃ from methanolic solution of ZrOCl₂ gave also ~3 g-equiv. OH⁻/g-atom Zr corresponding to the formula (OH)₃Zr-O-Zr(OH)₃. The Zr₂O₃²⁺ ion mentioned in publications is to define as an dizirconyl oxide. There are 3 figures and 6 tables. The most important English-language reference is: B. Lister: M. McDonald, J. Chem. Soc., 4315 (1952).

ASSOCIATION: Institut obshchey i neorganicheskoy khimii im. N. S. Kurnakova Akademii nauk SSSR (Institute of General and Inorganic Chemistry imeni N. S. Kurnakov of the Academy of Sciences USSR)

Card 3/4

Peculiarities of the behavior ...

SUBMITTED: September 11, 1961

S/078/62/007/004/004/016
B101/B144

Card 4/4

KAHRITONOV, Yu.Ya.; BOCHKAREV, G.S.; ZAYTSEV, L.M.

Infrared absorption spectra of complex zirconium (IV) oxalates.
Zhur. neorg. khim. 9 no.6:1369-1381 Je '63 (MIRA 17:8)

1. Institut obshchey i neorganicheskoy khimii imeni Kurnakova
AN SSSR.

ZAYTSEV, L.M.; ~~BOCHKAREV, G.S.~~

Zirconyl oxalate solubility product. Zhur. neorg. khim. 9 no.9:
2122-2125 S '64.

(MIRA 17:11)

BOCHKAREV, G.S.; ZAYTSEV, L.M.; KOZHENKOVA, V.N.

Complex oxalates of zirconium. Zhur. neorg. khim. 8 no.10:2248-
2253.0 '63. (MIRA 16:10)

1. Institut obshchey i neorganicheskoy khimii im. N.S. Kurnakova
AN SSSR.

(Zirconium compounds) (Oxalates)

KHARITONOV, Yu.Ya.; ZAYTSEV, L.M.; BOCHKAREV, G.S.; YEVSTAF'YEVA, O.N.

Infrared absorption spectra of the complex compounds of zirconium (IV) with some oxygen-containing ligands. Zhur. neorg. khim. 9 no.7:1617-1623 J1 '64. (MIRA 17:9)

1. Institut obshchey i neorganicheskoy khimii imeni Kurnakova AN SSSR.

ZAYTSEV, L.M.; BOCHKAREV, G.S.

Formation of oxo bridges in zirconium compounds. Zhur. neorg. khim.
9 no.12:2715-2718 D '64. (MIRA 18:2)

1. Institut obshchey i neorganicheskoy khimii imeni Kurnakova AN
SSSR.

ZAYTSEV, L.M.; POCHKAREV, G.S.; KOZHENKOVA, V.N.

Polynuclear zirconium compounds. Zhur. neorg. khim. 10
no.5:1088-1096 My '65. (MIRA 18:6)

1. Institut obshchey i neorganicheskoy khimii imeni Kurnakova
AN SSSR.

BOCHKAREV, I. Keirim-MARKUS; L'VOVA, M.: PRUSLIN, Ya.; GROSHEV, L. V.,

Measuring the Activity of Beta and Gamma Radiation Sources, Izdatel'stvo
Akademii Nauk SSSR, Moscow, 1953, 24 pp.

BOCHKAREV, I.

Certain problems concerning the improvement of work practices
in the grain receiving enterprises of the Novosibirsk Province.
Muk.-elev. prom. 27 no.9:16-18 S '61. (MIRA 15:2)

1. Nachal'nik Novosibirskogo upravleniya Gosudarstvennoy
khlebnoy inspeksii.
(Novosibirsk Province--Grain elevators)

BOCHKAREV, I.

We'll be well equipped to receive the grain of the new crop.
Muk.-elev. prom. 29 no.7:3 JI '63. (MIRA 17:1)

1. Zamestitel' nachal'nika Novosibirskogo oblastnogo uprav-
leniya Gosudarstvennoy inspektsii po kachestvu sel'sko-
khozyaystvennykh produktov.

BOCHKAREV, I.V.

DECEASED
C 1961

1962/5

SEE ILC

WOOD

1. AVDEYEV, V.; BOCHKAREV, K.
2. USSR 600
4. Race Horses
7. Racing trials on race tracks of the U.S.S.R. during 1952, Konevodstvo, 23, No. 1, 1953.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

BOCHKAREV, K., general-mayor

Always be on guard for peaceful labor. Voen. vest. 41 no.9:14-18
S '61. (MIRA 15:1)

(World politics) (Russia--Military policy)

BOCHKAREV, K., general-mayor, kand. filosofskikh nauk

The struggle for peace and the development of the world revolutionary process. Komm. Vooruzh. Sil 5 no.22:14-23 N '64.

(MIRA 17:12)

BOCHKAPET, K., general-mayor, kand. filosofskikh nauk

Character and types of wars of the present epoch. Komm.-Vooruzh.
Sil 46 no.11:8-17 Je '65. (MIRA 18:6)

BOCHKAREV, K.M.

Our delegate. Geog. v shkole 25 no.1:9 Ja-F '62. (MIRA 15:1)

1. Inspektor Bilyarskogo rayonnogo otдела narodnogo obrazovaniya
Tatarskoy Avtonomnoy SSR.
(Pushkareva, Taisiia Petrovna, 1927-)

LAR'KOV, A.M., polkovnik, kand.istor.nauk; FILIPPOV, N.T., polkovnik, kand. yuridich.nauk; BOCHKAREV, K.S., general-mayor, dotsent, kand.filosof. nauk, red.; CHEBUSHEV, I.V., polkovnik, red.; MAMOYEV, V.P., tekhn. red.

[Unity of command in the Soviet Armed Forces and ways for further strengthening it; a lecture presented to the troops] Edinonachalie v Sovetskikh Vozruzhennykh Silakh i puti ego dal'neishego ukrepleniia; lektsiia, pročitannaia v voiskakh. Moskva, Voen. izd-vo M-va obr.SSSR, 1960. 38 p. (MIRA 13:6)

1. Lektory Glavnogo politicheskogo upravleniya Sovetskoy Armii i Voenno-Morskogo Flota (for Lar'kov, Filippov).
(Russia--Armed forces--Officers)

BOCHKAREV, Konstantin Stepanovich, general-mayor; PRUSANOV, Ivan Petrovich, polkovnik; BABAKOV, Aleksandr Aleksandrovich, polkovnik; ROMANOV, I.M., polkovnik, red.; SOLOMONIK, R.L., tekhn.red.

[The program of the CPSU on the defense of the socialist fatherland] Programma KPSS o zashchite sotsialisticheskogo Otechestva. Moskva, Voenizdat, 1963. 141 p.

(MIRA 16:11)

(Russia--Military policy)

BOCHKAREV, Konstantin Stepanovich, general-mayor; PRUSANOV, Ivan Petrovich, polkovnik; BABABAKOV, Aleksandr Aleksandrovich, polkovnik; ROMANOV, I.M., red.

[Program of the CPSU on the defence of the socialist fatherland] Programma KPSS o zashchite sotsialisticheskogo otechestva. 2., perer. i dop. izd. Moskva, Voenizdat, 1965. 173 p. (MIRA 18:12)

BOCHKAREV I.M.

PRISHLETSOV, Dmitriy Vasil'yevich; TSKYDLER, A.A., professor, doktor, retsenzent; BOCHKAREV, I.M., inzhener; GUDIMA, N.V., redaktor; KAMAYEVA, O.M., redaktor; ATTOPOVICH, M.K., tekhnicheskii redaktor.

[Shaft-furnace smelting of oxidized nickel ores; a textbook]
Shakhtnaia plavka okislennykh nikelovykh rud; uchebnoe posobie
dlia shkol i kursov masterov, Moskva, Gos.nauchno-tekhn.izd-vo
lit-ry po chernoi i tsvetnoi metallurgii, 1955. 261 p.(MLRA 8:11)
(Nickel--Metallurgy)

KLUSHIN, D.N.; REZNIK, I.D.; BOCHKAREV, L.M.

Prospects for using oxygen in nonferrous metallurgy. TSvet.met.
29 no.4:12-16 Ap '56. (MLRA 9:8)
(Nonferrous metal industries) (Oxygen)

BOCHKAREV, L.M.

Studying the dissociation of sulfides, the reduction and sulfatization of slags in shaft furnace smelting of oxidized nickel ores. Sbor. nauch. trud. GINTSVETMET no.15:111-137 '59. (MIRA 14:4)

(Nickel--Metallurgy)

BOCHKAREV, L.M.; RAGULINA, A.T.; TUSNOVA, N.V.; KHARITONOVA, G.P.

Pelletizing nickel ores for shaft furnace smelting. TSvet.
met. 33 no.1:77-78 Ja '60. (MIRA 13:5)
(Nickel--Metallurgy)

BOCHKAREV, L.M.; RAGULINA, A.T.; SERPOV, V.I.; CHERMAX, L.L.; SHERMAN,
B.P.

Pilot plant testing of the smelting of oxidized nickel ores
with a blow containing up to 45 percent oxygen. TSvet. met. 33
no.7:23-28 J1 '60. (MIRA 13:7)
(Nickel--Metallurgy) (Oxygen--Industrial applications)

BOCHKAREV, L. M.

Cand Tech Sci - (diss) "Study of several problems of matte-formation and intensification of the process of mining smelting of oxidized nickel ores." Moscow, 1961. 16 pp incl cover; (Ministry of Higher and Secondary Specialist Education RSFSR, Krasnoyar Inst of Non-Ferrous Metals imeni M. I. Kalinin); 200 copies; free; (KL, 5-61 sup, 187)

BOCHKAREV, L.M.; BYKHOVSKIY, Yu.A.

) Present state and prospects for using oxygen in certain enterprises
of nonferrous metallurgy of the U.S.S.R. Tsvet. met. 35 no.11;
38-43 N '62. (MIRA 15:11)

(Nonferrous metals--Metallurgy)
(Oxygen--Industrial applications)

S/137/63/000/001/002/019
A006/A101

AUTHORS: Bochkarev, L. M., Ragulina, A. T.

TITLE: Rounding-off oxidized nickel ores for shaft-furnace smelting

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 1, 1963, 7, abstract 1647
("Sb. nauchn. tr. Gos. n.-i. in-t tsvetn. met.", 1961, no. 18,
259 - 274)

TEXT: The rounding-off process was conducted for the purpose of finding a method producing high-quality charges. To obtain rounded-off lumps of satisfactory crushing strength (> 5 kg) and dumping resistance (> 5 kg) the material supplied for rounding-off should be of ≤ 1 mm size. Rounded-off lumps can be obtained from shaft-furnace heat charges, with or without fuel. The size of the rounded-off lumps can be regulated by changing the moisture of the charge. To obtain rounded-off lumps, resistant at 500°C , it is sufficient to eliminate the hygroscopic moisture contained in same. Rounded-off lumps, resistant at room temperature, are produced by adding 5% alabaster to the ore. Coking does not increase the resistance of the rounded-off lumps. Carbonizing assures the pro-

Card 1/2

Rounding-off oxidized nickel ores for...

S/137/63/000/001/002/019
A006/A101

duction of rounded-off lumps whose strength makes them suitable for shaft furnace smelting. The crushing resistance of the lumps decreases with higher temperatures (from 600 to 1,100°C), remaining sufficient for shaft-furnace smelting; the composition of the charge has a low effect upon the strength of the rounded-off lumps. The author mentions a system of preparing the ore for shaft-furnace smelting by rounding-off. See also RZhMet, 1960, no. 6, 12231.

A. Shmeleva

[Abstracter's note: Complete translation]

Card 2/2

BOCHKAREV, L.M.; BYKHOVSKIY, Yu.A.; SHUMILOVA, O.P.

Smelting copper and copper-zinc sulfide concentrates in suspension
with an oxygen blow. Sbor. nauch. trud. Gintsvetmeta no.19:
397-410 '62. (MIRA 16:7)

(Nonferrous metals--Metallurgy)
(Oxygen--Industrial applications)

YEGOROV, F.G.; BYKHOVSKIY, Yu.A.; BOCHKAREV, L.M.

Stoichiometric and heat calculations in the oxygen-enriched
smelting of copper sulfide concentrates. TSvet. met. 36
no.10:30-34, 0 163. (MIRA 16:12)

KUZNETSOVA, N.G.; BYKHOVSKIY, Yu.A.; BOCHKAREV, L.M. - SOKOLOVA,
S.Ye.; CHIBIZOVA, L.A.

Behavior of refractories in furnaces of oxygen suspension
smelting. TSvet. met. 37 no.11:52-58 N '64. (MIRA 12:4)

BOCHKAREV, L.M.; SHUMILOVA, O.P.

Study of conditions of distilling zinc from polymetallic concentrates applicable to oxygen-blown smelting in atomized state. TSvet. met. 38 no.2:32 F '65.

(MIRA 18:3)

YEGOROV, F.G.; BOCHKAREV, L.M.; BYKHOVSKIY, Yu.A., kand. tekhn. nauk

Certain thermochemical regularities and stoichiometric correlations in the process of smelting copper sulfide concentrates with oxygen. Sbor. nauch. trud. Gintsvetmeta no.23:127-143 '65. (MIRA 18:12)

PARETSKIY, V.M.; BYKHOVSKIY, Yu.A., kand. tekhn. nauk; ~~BOCHKAREV, I.M.~~

Methods of calculating and the design of charge injection
nozzles for furnaces for oxygen-blown suspension smelting.

Sber. nauch. trud. Sintsavetmeta no.23:144-150 '65.

(MIRA 18:12)

BOCHKAREV, L.M.; BYKHOVSKIY, Yu.A.; PARETSKIY, V.M.; CHAKHOTIN, V.S.

Certain physicochemical phenomena in the flame during oxygen-blown smelting of copper sulfide concentrates in suspension.
TSvet. met. 38 no.11:67-75 N '65. (MIRA 18:11)

BOCHKAREV, L.M.; EYKHOVSKIY, Yu.A., kand. tekhn. nauk; KUPRYAKOV, Yu.P.;
KOSTERIN, V.V.; PARETSKIY, V.M.

Pilot plant testing of the smelting of copper sulfide
concentrates in suspension with an oxygen blow. Sbor. nauch.
trud. Gintsvetmeta no.23:115-126 '65. (MIRA 18:12)

KHRAMEYEV, V., podpolkovnik; BOCHKAREV, M., mayor

Some questions about the duty of guard detachments. Voen. vest.
39 no.6:47-49 Je '59. (MIRA 12:9)
(Guard duty)

BANNIKOV, A.G., red.; BOCHKAREV, M.M., red.; PROFERANSOV, D.P.,
red.

[Materials of the Second Congress of the All-Russian
Society for the Promotion of Nature Conservation] Materialy
Vserossiiskogo obshchestva sodeistviia okhrane prirody. Mo-
skva, 1960. 175 p. (MIRA 16:8)

1. Vserossiiskoye obshchestvo sodeystviya okhrane prirody.
2. s"yezd, Moskva, 1959. 2. Nachal'nik Glavnogo upravleniya
lesnogo khozyaystva i okhrany lesa pri Sovete Ministrov
RSFSR (for Bochkarev).
(Conservation of natural resources--Congresses)

L 07168-67 EWP(j)/EWT(m) RM/FDN/JW

ACC NR: AP6028170

SOURCE CODE: UR/0079/66/036/006/1154/1155

AUTHOR: Vyazankin, N. S.; Bochkarev, M. N.; Sanina, L. P. 29
B

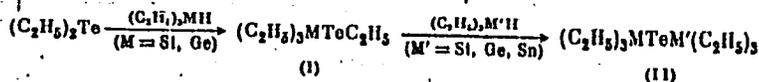
ORG: Polymer Stabilization Laboratory, Academy of Sciences, SSSR, Gor'kiy (Laboratoriya stabilizatsii polimerov Akademii nauk SSSR)

TITLE: Unsymmetrical bi- and trimetal-organic compounds

SOURCE: Zhurnal obshchey khimii, v. 36, no. 6, 1966, 1154-1155

TOPIC TAGS: organotellurium compound, organotin compound, organogermanium compound, organosilicon compound

ABSTRACT: New ways of synthesizing unsymmetrical organometallic compounds with Si-Te-C-, Si-Te-Sn- and similar groups have been developed. When triethylsilane or triethylgermane is heated with diethyltellurium, a gradual replacement of ethyl groups takes place:



In addition to the symmetrical compounds (II) (M=M'=Si or Ge), compounds (I) (M=Si) and (II) (M=Ge) are formed in 11.5 and 28% yield respectively. When compounds (I) are reacted with triethyltin hydride, the compounds (II) (M=Si, M'=Sn) and (II) (M=Ge, M'=Sn) are formed in 91% and 62% yield respectively. Diethyltellurium reacts with triethyl-

Card 1/2

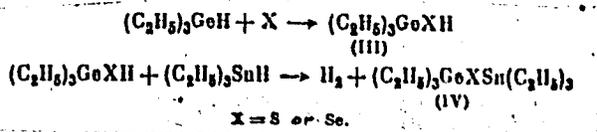
UDC: 546.289

L 07168-67

ACC NR: AP6028170

0

tin hydride to give ethane and (II) ($M=M'=Sn$) in 91% yield; the unsymmetrical product (I) ($M=Sn$) is not observed. Unsymmetrical compounds are also formed by the reactions



SUB CODE: 07/ SUEM DATE: 25Dec65

Card 2/2 mLE

BOCHKAREV, N.G.

New railroad construction and the development of transportation
communications. Zhel.dor.transp. 37 no.2:30-37 F '56. (MLRA 9:5)
(Railroads--Construction)

BOCHKAREV, N.G.

Losses to the national economy from inefficient hauls. Zhel. dor.
transp. 39 no.3:13-18 Mr '57. (MLRA 10:4)
(Railroads--Management)

GIBSHMAN, Aleksandr Yevgen'yevich, prof.; IOANNISIAN, Ashot Isaayevich, prof.; KONDRATCHEVKO, Anatoliy Petrovich, dots.; YAKOVLEV, Boris Vonifat'yevich, dots.; ORLOV, V.N., prof., doktor tekhn.nauk, retsenzent; KARASIK, V.Ya., kand. tekhn. nauk, dots., retsenzent; BOCHKAREV, N.G., ekonomist, retsenzent; PETROV, M.A., inzh., red.; MAKUNI, Ye.V., tekhn. red.

[Fundamentals of the planning and design of railroads] Osnovy proektirovaniia zheleznykh dorog [By] A.E. Gibshman i dr. Pod red. A.I. Ioannisiana. Izd.2., perer. Moskva, Transzheldorizdat, 1962. 347 p. (MIRA 16:1)

(Railroad engineering)

BOCHKAREV, N.G.

Indices of the efficiency of capital investments and utilization of
capital assets. Zhel. dor. transp. 47 no.9:74-79 S '65. (MIRA 18:9)

BOCHKAREV, N.P., inzh.

Phase sensitive limiter and signaling device. Energetik 11
no.7:15-17 JI '63. (MIRA 16:8)

(Electric power plants—Electric equipment)